



100% Material Declaration Data Sheet PQG208

PK123 (v1.2.1) October 19, 2006

Material Declaration Data Sheet

Average Weight: 5.3 g

| Component | Substance Description | CAS# or Description | % of Component | Use in Product | Component Weight/ Substance Weight (in grams) | Component % of Total |
|----------------------------|-----------------------|---------------------|----------------|----------------|---|-------------------------|
| Silicon Die | | | | | 0.0689 | 1.30% |
| | Silicon | 7440-21-3 | 100.00 | | 0.0689 | |
| Die Attach Material | | | | | 0.03127 | 0.59% |
| | Silver | 7440-22-4 | 78.00 | | 0.0243906 | |
| | Epoxy (EP) | Trade Secret | 22.00 | | 0.0068794 | |
| Mold Compound | | | | | 4.52726 | 85.42% |
| | Epoxy Resin (EP) | Trade Secret | 9.00 | | 0.4074534 | |
| | Phenolic Resin | Trade Secret | 7.00 | | 0.3169082 | |
| | Carbon Black | 1333-86-4 | 0.50 | | 0.0226363 | |
| | Silica | 60676-86-0 | 82.50 | | 3.7349895 | |
| | Bismuth | 7440-69-9 | Max 1.00 | | 0.0452726 | |
| Leadframe | | | | | 0.62858 | 11.86% |
| | Copper | 7440-50-8 | 98.85 | | 0.62135133 | |
| | Chromium | 7440-47-3 | 0.30 | | 0.00188574 | |
| | Tin | 7440-31-5 | 0.25 | | 0.00157145 | |
| | Zinc | 7440-66-6 | 0.60 | | 0.00377148 | |
| Leadframe Plating | | | | | 0.0053 | 0.10% |
| | Silver | 7440-22-4 | 100.00 | | 0.0053 | |
| Bond Wire | | | | | 0.00689 | 0.13% |
| | Gold | 7440-57-5 | 100.00 | | 0.00689 | |
| Ext. Plating | | | | | 0.0318 | 0.60% |
| | Tin | 7440-31-5 | 100.00 | | 0.0318 | |

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Revision History

The following table shows the revision history for this document.

| Date | Revision | Revision |
|----------|----------|--|
| 3/08/06 | 1.0 | Initial release. |
| 7/05/06 | 1.1 | 100% Material Declaration. |
| 9/28/06 | 1.2 | Updated component descriptions. |
| 10/19/06 | 1.2.1 | Editorial change; corrected typo in Substance Description. |